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Advanced Keyword Query for: glucocerebrosidase

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HUMAN ACID-BETA-GLUCOSIDASE

Characteristics

Release Date: 03-Jul-2003 Exp. Method:

Resolution: 2.00 Å

Classification

Hydrolase

Compound

Polymer: 1 Molecule: GLUCOSYLCER/

Chains: A,B EC no.: 3.2.1.45

Polymer: 2 Molecule: SUGAR (2-MER)

Dvir, H., Harel, M., McCarthy, A.A., L., Silman, I., Futerman, A.H., Sus J.L., Israel Structural Proteomics C

Authors☒ 1y7v

X-ray structure of human acid-beta glucosidase covalently bound to conduritol B epoxide

Characteristics

Release Date: 12-Apr-2005 Exp. Method:

Resolution: 2.40 Å

Classification

Hydrolase

Compound

Polymer: 1 Molecule: Glucosylceramida

Mutation: R495H Chains: A,B EC no.: 3

Polymer: 2 Molecule: SUGAR (2-MER)

Premkumar, L., Sawkar, A.R., Bold S., Toker, L., Silman, I., Kelly, J.W A.H., Sussman, J.L., Israel Structu Proteomics Center (ISPC)

Authors☒ 2j25

PARTIALLY DEGLYCOSYLATED GLUCOCERAMIDASE

Characteristics

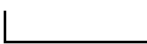



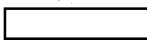



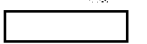



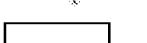



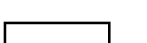

Release Date: 06-Dec-2006 Exp. Method:

Resolution: 2.90 Å

Classification

Hydrolase

Refine this query by selecting the link "Refine this Search" in the menu above.

					Polymer: 1 Molecule: GLUCOSYLCERA/ Fragment: RESIDUES 40-536 Chains: ,
	<i>Compound</i>				no.: 3.2.1.45 
					Polymer: 2 Molecule: SUGAR (2-MER)
					Polymer: 4 Molecule: SUGAR (5-MER)
					Polymer: 5 Molecule: SUGAR (3-MER)
	<i>Authors</i>				Brumshtein, B., Wormald, M.R., Sil L., Futerman, A.H., Sussman, J.L.
<input checked="" type="checkbox"/> 2nt0					Acid-beta-glucosidase low pH, glycerol bound
	<i>Characteristics</i>				Release Date: 26-Dec-2006 Exp. Method: Resolution: 1.79 Å
	<i>Classification</i>				Hydrolase
	<i>Compound</i>				Polymer: 1 Molecule: Glucosylceramida Chains: A,B,C,D EC no.: 3.2.1.45 
	<i>Authors</i>				Lieberman, R.L., Petsko, G.A., Ring
<input checked="" type="checkbox"/> 2f61					Crystal structure of partially deglycosylated acid beta- glucosidase
	<i>Characteristics</i>				Release Date: 27-Dec-2005 Exp. Method: Resolution: 2.50 Å
	<i>Classification</i>				Hydrolase
	<i>Compound</i>				Polymer: 1 Molecule: Acid beta-glucosic Chains: A,B EC no.: 3.2.1.45 
					Polymer: 3 Molecule: SUGAR (2-MER)
	<i>Authors</i>				Hegde, R.S., Grabowski, G.
<input checked="" type="checkbox"/> 2nsx					Structure of acid-beta-glucosidase with pharmacological chaperone provides insight into Gaucher disease
	<i>Characteristics</i>				Release Date: 26-Dec-2006 Exp. Method: Resolution: 2.11 Å
	<i>Classification</i>				Hydrolase
	<i>Compound</i>				Polymer: 1 Molecule: Glucosylceramida Chains: A,B,C,D EC no.: 3.2.1.45 
	<i>Authors</i>				Lieberman, R.L., Petsko, G.A., Ring
<input checked="" type="checkbox"/> 2nt1					Structure of acid-beta-glucosidase at neutral pH
	<i>Characteristics</i>				Release Date: 26-Dec-2006 Exp. Method: Resolution: 2.30 Å
	<i>Classification</i>				Hydrolase
	<i>Compound</i>				Polymer: 1 Molecule: Glucosylceramida Chains: A,B,C,D EC no.: 3.2.1.45 
	<i>Authors</i>				Lieberman, R.L., Petsko, G.A., Ring

☒ 2v3fACID-BETA-GLUCOSIDASE
PRODUCED IN CARROT**Characteristics**

Release Date: 08-Apr-2008 Exp. Method:

Resolution: 1.95 Å

Classification

Hydrolase

**Compound**

Polymer: 1 Molecule: GLUCOSYLCERA

Chains: A,B EC no.: 3.2.1.45

Polymer: 2 Molecule: SUGAR (4-MER)

Polymer: 3 Molecule: SUGAR (3-MER)

AuthorsShaaltiel, Y., Bartfield, D., Hashmuel,
G., Brill-Almon, E., Galili, G., Dym,
Adamsky, S.A., Silman, I., Sussman,
J.L., Futerman, A.H., Aviezer, D., C
Israel Structural Proteomics☒ 2v3dACID-BETA-GLUCOSIDASE WITH N-
BUTYL-DEOXYNOJIRIMYCIN**Characteristics**

Release Date: 14-Aug-2007 Exp. Method:

Resolution: 1.96 Å

Classification

Hydrolase

**Compound**

Polymer: 1 Molecule: GLUCOSYLCERA

Chains: A,B EC no.: 3.2.1.45 Other

DNJ INHIBITOR IN THE ACTIVE SITE

Polymer: 2 Molecule: SUGAR (4-MER)

AuthorsBrumshtein, B., Greenblatt, H.M., E
T.D., Shaaltiel, Y., Aviezer, D., Silm
I., Futerman, A.H., Sussman, J.L.☒ 2v3eACID-BETA-GLUCOSIDASE WITH N-
NONYL-DEOXYNOJIRIMYCIN**Characteristics**

Release Date: 21-Aug-2007 Exp. Method:

Resolution: 2.00 Å

Classification

Hydrolase

**Compound**

Polymer: 1 Molecule: GLUCOSYLCERA

Chains: A,B EC no.: 3.2.1.45 Other

DNJ IN THE ACTIVE SITE

Polymer: 2 Molecule: SUGAR (4-MER)

AuthorsBrumshtein, B., Greenblatt, H.M., E
T.D., Shaaltiel, Y., Aviezer, D., Silm
I., Futerman, A.H., Sussman, J.L.